



FORM PTO-1449

## INFORMATION DISCLOSURE STATEMENT

ATTY. DOCKET NO. 0192-PA

APPLICATION NO.  
To be assigned 10/1643,800APPLICANTS  
KRAINER et al.

FILING DATE

GROUP  
To be assigned

## U.S. PATENT DOCUMENTS

| EXAMINER<br>INITIAL |     | DOCUMENT NUMBER | DATE          | NAME          | CLASS | SUB-CLASS | FILING DATE   |
|---------------------|-----|-----------------|---------------|---------------|-------|-----------|---------------|
| KS                  | AA1 | 4,000,100       | Dec. 28, 1976 | Baldyga       | 260   | 23        | June 4, 1971  |
| KS                  | AB1 | 4,040,996       | Aug. 9, 1977  | Van Vonno     | 260   | 23        | Mar. 9, 1976  |
| KS                  | AC1 | 5,240,623       | Aug. 31, 1993 | Fay et al.    | 252   | 35        | Mar. 11, 1999 |
| KS                  | AD1 | 5,519,077       | May 21, 1996  | Drewes et al. | 524   | 114       | Apr. 10, 1999 |
| KS                  | AE1 | 5,543,449       | Aug. 6, 1996  | Drewes et al. | 524   | 114       | Apr. 10, 1999 |
| KS                  | AF1 | 6,194,494       | Feb. 27, 2001 | Wehner et al. | 524   | 100       | Jun. 30, 1999 |
| KS                  |     | 6,348,517       | Feb. 19, 2002 | Wang et al.   | 522   | 187       | Sep. 1, 2000  |

## FOREIGN PATENT DOCUMENTS

| EXAMINER<br>INITIAL |     | DOCUMENT NUMBER | DATE          | COUNTRY | CLASS | SUB-CLASS | TRANSLATION |
|---------------------|-----|-----------------|---------------|---------|-------|-----------|-------------|
| KS                  |     | 1211814         | Mar. 18, 1960 | FR      |       |           |             |
| KS                  |     | 54103461        | Aug. 14, 1979 | JP      |       |           |             |
| KS                  |     | 3545476         | July 3, 1986  | DE      |       |           |             |
| KS                  | AL1 | 246381          | Oct. 16, 1986 | CS      |       |           | Yes<br>No   |

## OTHER (Including Author, Title, Date, Pertinent Pages, etc.)

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| KS |    |   | Shlensky, Behavior of the parameters of the thermal surface decomposition of polymers near the temperature boundary of thermodynamic stability, Mendeleev University of Chemical Tech., 47(3), pages 176-180, 2002 (abstract). Dec 2002 |
| KS |    |   | Kolesov et al., Stabilization of poly(vinylchloride) with binary mixtures of stabilizers, Kozhevenno-Obuvnaya Promyshlennost (7), pages 44-45, 1983 (abstract). Dec 1983  |
| KS |    |   | Lee et al., Thermal stabilization of PVC in on-toxic stabilizer systems, Pollimo 19(5), pages 543-50, 1995 (abstract). Dec 1995   |
| KS | AR | 1 | Kim et al., Thermal stabilization of PVC in non-toxic stabilizer systems, Pollimo 18(6), pages 1021-1029, 1994 (abstract). Dec 1994   |

EXAMINER

*Kurt D. Sand*

DATE CONSIDERED

10/06

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| FORM PTO-1449<br><u>INFORMATION DISCLOSURE STATEMENT</u> | ATTY. DOCKET NO. 0192-PA     | APPLICATION NO.<br>To be assigned 10/643,800 |
|  | APPLICANTS<br>KRAINER et al. |  |
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| U.S. PATENT DOCUMENTS |     |                 |      |      |       |           |             |
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|                       | AA1 |                 |      |      |       |           |             |
|                       | AB1 |                 |      |      |       |           |             |
|                       | AC1 |                 |      |      |       |           |             |
|                       | AD1 |                 |      |      |       |           |             |
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|                       | AF1 |                 |      |      |       |           |             |

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| EXAMINER<br>INITIAL      |     | DOCUMENT NUMBER | DATE          | COUNTRY | CLASS | SUB-CLASS | TRANSLATION |
| KS                       |     | 50024388        | Mar. 15, 1975 | JP      |       |           |             |
| KS                       |     | 56055445        | May 16, 1981  | JP      |       |           |             |
| KS                       |     | 50051147        | May 7, 1975   | JP      |       |           |             |
| KS                       | AL1 | 93/24563        | Dec. 9, 1993  | WO      |       |           | Yes<br>No   |

| OTHER (Including Author, Title, Date, Pertinent Pages, etc.) |    |   |  |
|--|----|---|--|
| KS   |    |   | Handbook of PVC Formulating, E.J. Wickson, John Wiley & Sons, Inc., pages 393-429, (August, 1993).                   |
| KS   |    |   | Plastics Additives Handbook, R., Gachter, pages 390-422, (January, 1990).  |
| KS   |    |   | Ullmann's Encyclopedia of Industrial Chemistry, 5 <sup>th</sup> Edition, Vol. A16, pages 361-374, (1985). Dec 1985   |
| KS   | AR | 1 | Taschenbuch der Kunststoffadditive, Gachter, 2 <sup>nd</sup> Edition, Chapters 5.9.5, pages 431-447, 1983. Dec. 1985 |

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| EXAMINER | <i>Keith Sando</i> | DATE CONSIDERED | 10/66 |
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| FORM PTO-1449<br>INFORMATION DISCLOSURE STATEMENT | ATTY. DOCKET NO. 0192-PA     | APPLICATION NO. 10/643800<br>To be assigned |
|   | APPLICANTS<br>KRAINER et al. |   |
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| U.S. PATENT DOCUMENTS |     |                 |      |      |       |           |             |
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|                       | AC1 |                 |      |      |       |           |             |
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| EXAMINER INITIAL         |     | DOCUMENT NUMBER | DATE          | COUNTRY | CLASS | SUB-CLASS | TRANSLATION |
| KS                       |     | 02/48249 A2     | June 20, 2002 | WO      |       |           |             |
| KS                       |     | 93/02133        | Feb. 4, 1993  | WO      |       |           |             |
| KS                       |     | 2169298 A       | July 9, 1986  | UK      |       |           |             |
| KS                       | AL1 | 1151108         | May 7, 1969   | UK      |       |           | Yes<br>No   |

| OTHER (Including Author, Title, Date, Pertinent Pages, etc.) |    |  |  |  |  |  |  |
|--|----|--|--|--|--|--|--|
| KS   |    |  | Plastics Additives, Gachter, 3 <sup>rd</sup> Edition, Chapters 5.9.6, pages 525-591, (1989). Dec.                      |  |  |  |  |
| KS   |    |  | PVC Technology, Titow, 4 <sup>th</sup> Edition, Elsevier Publ., pages 165-170, (1984). Dec.                            |  |  |  |  |
| KS   |    |  | Kunststoffhandbuch PVS, Vol. 2/2, Becker, 2 <sup>nd</sup> Edition, (July, 1983), Carl Hanser Verlag., pages 1236-1277. |  |  |  |  |
| KS   | AR |  | Bacaloglu et al., J. Vinyl Additive Technol., 5:205-217, March, 1999.  |  |  |  |  |

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| EXAMINER <i>Kent D. J...</i> | DATE CONSIDERED 10/06 |
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| KJ                  |     | 0394547 A2      | Oct. 31, 1990 | EP      |       |           |             |
| KJ                  |     | 0457471 A2      | Nov. 21, 1991 | EP      |       |           |             |
| KJ                  |     | 94/24200        | Oct. 27, 1994 | WO      |       |           |             |
| KJ                  | AL1 | 3843581 A1      | July 13, 1989 | DE      |       |           | Yes<br>No   |

## OTHER (Including Author, Title, Date, Pertinent Pages, etc.)

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| EXAMINER <i>Kruth J. J. J.</i> | DATE CONSIDERED 10/06 |
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|                       | AD1 |                 |      |      |       |           |             |
|                       | AE1 |                 |      |      |       |           |             |
|                       | AF1 |                 |      |      |       |           |             |
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| KJ                  |     | 0062813 A1      | Oct. 20, 1982 | EP      |       |           |             |
| KJ                  |     | 93/20135        | Oct. 14, 1993 | WO      |       |           |             |
| KJ                  |     | 0259783 A2      | Sept. 3, 1987 | EP      |       |           |             |
| KJ                  | AL1 | 19741773 A1     | Mar. 3, 1999  | DE      |       |           | Yes<br>No   |

OTHER (Including Author, Title, Date, Pertinent Pages, etc.)

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| EXAMINER  | <i>Kurtis L. Lee</i> | DATE CONSIDERED | <i>10/06</i> |
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|                     | AA1 |                 |      |      |       |           |             |
|                     | AB1 |                 |      |      |       |           |             |
|                     | AC1 |                 |      |      |       |           |             |
|                     | AD1 |                 |      |      |       |           |             |
|                     | AE1 |                 |      |      |       |           |             |
|                     | AF1 |                 |      |      |       |           |             |
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| EXAMINER<br>INITIAL |     | DOCUMENT NUMBER | DATE          | COUNTRY | CLASS | SUB-CLASS | TRANSLATION |
|---------------------|-----|-----------------|---------------|---------|-------|-----------|-------------|
| RS                  |     | 4031818 A4      | April 9, 1992 | DE      |       |           |             |
| RS                  |     | 0967245 A1      | Dec. 29, 1999 | EP      |       |           |             |
|                     |     |                 |               |         |       |           |             |
|                     | AL1 |                 |               |         |       |           | Yes<br>No   |

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